

JUN - 3 1997

Mr. Dennis Dunn
Radiation Safety Officer
Professional Service Industries, Inc.
850 Poplar Street
Pittsburgh, Pennsylvania 15220

Dear Mr. Dunn:

Enclosed is the Corrected Copy of Amendment No. 04 for License No. 37-00276-29. This Corrected Copy is being issued due to an error identified during a recent review of your license file. Please note that Item 9.A. and B. now includes service to other persons as defined in 10 CFR 20.1003 and Condition No. 20 now includes reference to letter dated August 13, 1991 in which you requested authorization to service gauges owned by other licensees.

We apologize for any inconvenience this error may have caused.

Sincerely,

ORIGINAL SIGNED BY:
JENNY M. JOHANSEN

Jenny M. Johansen, Chief
Nuclear Materials Safety Branch 3
Division of Nuclear Materials Safety

License No. 37-00276-29
Docket No. 030-31575
Control No. 122408

Enclosure:
Corrected Copy of Amendment No. 04



DOCUMENT NAME: R:\WPS\MLTR\3700276.29

To receive a copy of this document, indicate in the box: "C" = Copy w/o attach/encl "E" = Copy w/ attach/encl "N" = No copy

OFFICE	DNMS/RI	<input checked="" type="checkbox"/> N	DNMS/RI	<input checked="" type="checkbox"/> N			
NAME	JJoustra <i>JJB</i>		JJohansen <i>JJ</i>				
DATE	05/27/97		06/3/97		05/ /97		05/ /97

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OFFICIAL RECORD COPY

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MATERIALS LICENSE

Amendment No. 04

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

OFFICIAL RECORD COPY

Licensee		In accordance with the letter dated October 6, 1995, 3. License Number 37-00276-29 is amended in its entirety to read as follows:	
1. Professional Service Industries, Inc.		4. Expiration Date November 30, 1995	
2. 850 Poplar Street Pittsburgh, Pennsylvania 15220		5. Docket or Reference No. 030-31575	
6. Byproduct, Source, and/or Special Nuclear Material	7. Chemical and/or Physical Form	8. Maximum Amount that Licensee May Possess at Any One Time Under This License	
A. Cesium 137	A. Sealed sources	A. 1000 millicuries	
B. Americium 241	B. Sealed neutron sources	B. 5000 millicuries	
C. Cesium 137	C. Sealed sources (Gulf Nuclear Model CSV)	C. Not to exceed 200 millicuries per source and 400 millicuries total	
D. Cesium 137	D. Sealed sources (Amersham Model 77302)	D. Not to exceed 165 millicuries per source and 330 millicuries total	
9. Authorized use			
A. and B. For possession, use, and service, including service to other persons as defined in 10 CFR 20.1003, in Troxler Electronic Laboratories, Inc., Campbell Pacific Nuclear Corp., Humboldt Scientific, Inc., Seaman Nuclear Corporation, or Soiltest, Incorporated devices which have been evaluated and approved for licensing purposes under a license issued by the U.S. Nuclear Regulatory Commission or any Agreement State.			
C. In a Gulf Nuclear Model IC-50 calibration device for the calibration of survey instruments to other persons as defined in 10 CFR 20.1003.			
D. In Amersham Model 773 calibration devices for the calibration of survey instruments as a service to other persons as defined in 10 CFR 20.1003.			

CONDITIONS

10. Licensed material may be used only at the licensee's facilities located at 850 Poplar Street, Pittsburgh, Pennsylvania.
11. Licensed material shall only be used by, or under the supervision and in the physical presence of, individuals who have received the training described in application dated February 13, 1990 and letters dated June 28, 1990, August 13, 1991, March 7, 1995, April 21, 1995 with attachments, May 10, 1995, and June 27, 1995, and have been designated in writing by the Radiation Safety Officer.

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**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License number

37-00276-29

Locket or Reference number

030-31575

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12. The Radiation Safety Officer for this license is Dennis Dunn.
13. A. Sealed sources and detector cells containing licensed material shall be tested for leakage and/or contamination at intervals not to exceed six months or at such other intervals as are specified by the certificate of registration referred to in 10 CFR 32.210, not to exceed three years.
- B. Notwithstanding Paragraph A of this Condition, sealed sources designed to emit alpha particles shall be tested for leakage and/or contamination at intervals not to exceed three months.
- C. In the absence of a certificate from a transferor indicating that a leak test has been made within six months prior to the transfer, a sealed source or detector cell received from another person shall not be put into use until tested.
- D. Each sealed source fabricated by the licensee shall be inspected and tested for construction defects, leakage, and contamination prior to any use or transfer as a sealed source.
- E. Sealed sources and detector cells need not be leak tested if:
- (i) they contain only hydrogen-3; or
 - (ii) they contain only a radioactive gas; or
 - (iii) the half-life of the isotope is 30 days or less; or
 - (iv) they contain not more than 100 microcuries of beta and/or gamma emitting material or not more than 10 microcuries of alpha emitting material; or
 - (v) they are not designed to emit alpha particles, are in storage, and are not being used. However, when they are removed from storage for use or transfer to another person, and have not been tested within the required leak test interval, they shall be tested before use or transfer. No sealed source or detector cell shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.
- F. The test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie or more of removable contamination, a report shall be filed with the U.S. Nuclear Regulatory Commission and the source or detector cell shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Commission regulations. The report shall be filed within five days of the date the leak test result is known with the U.S. Nuclear Regulatory Commission, Region I, ATTN: Director, Division of Nuclear Materials Safety, 475 Allendale Road, King of Prussia, Pennsylvania 19406. The report shall specify the source or detector cell involved, the test results, and corrective action taken.
- G. The licensee is authorized to collect leak test samples for analysis by Gulf Nuclear, Inc. Alternatively, tests for leakage and/or contamination may be

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performed by persons specifically licensed by the Commission or an Agreement State to perform such services.

14. Sealed sources or detector cells containing licensed material shall not be opened or sources removed from source holders by the licensee.
15. The licensee shall conduct a physical inventory every six months to account for all sealed sources and devices containing licensed material received and possessed under the license.
16. The licensee shall not acquire licensed material in a sealed source or device unless the source or device has been registered with the U.S. Nuclear Regulatory Commission pursuant to 10 CFR 32.210 or equivalent regulations of an Agreement State.
17. Each portable nuclear gauge shall have a lock or outer locked container designed to prevent unauthorized or accidental removal of the sealed source from its shielded position. The gauge or its container must be locked when in transport, storage or when not under the direct surveillance of an authorized user.
18. The licensee may remove the source rod from portable moisture/density gauges manufactured by Troxler Electronic Laboratories, Inc., Campbell Pacific Nuclear Corp., Seaman Nuclear Corp., Humbolt Scientific, Inc., or Soiltest, inc., for the purpose of cup weld inspection of the source rod in accordance with procedures described in the letters dated April 21, 1995, May 10, 1995 and June 27, 1995.
19. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."
20. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. The Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.

- A. Application dated February 13, 1990
- B. Letter dated June 28, 1990
- C. Letter dated September 7, 1990
- D. Letter dated August 13, 1991
- E. Letter dated September 23, 1992
- F. Letter dated October 9, 1992
- G. Letter dated January 25, 1993
- H. Letter dated March 7, 1995
- I. Letter dated April 21, 1995
- J. Letter dated May 10, 1995
- K. Letter dated June 27, 1995

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Date _____

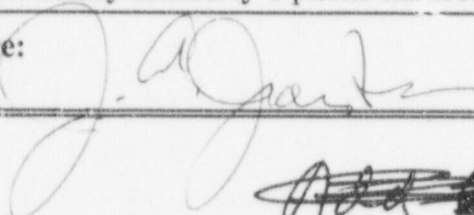
For the U.S. Nuclear Regulatory Commission

ORIGINAL SIGNED BY:

JENNY M. JOHANSEN

By

Division of Nuclear Materials Safety
Region I
King of Prussia, Pennsylvania 19406

TELEPHONE CONVERSATION RECORD		Date: 6/3/97	Time: 1:05
Mail Control No.: 122408		License No.: 37-00276-29	Docket No.: 030-31575
Person Called: Dennis Dunn, RSO		Organization: PSI	Telephone Number: (412) 922-4000
Person Calling: J. Joustra			
Subject: Corrected copy to license			
Summary: the license in Item 9 A. and B. does not include service to other persons as requested in letter dated 8/13/91. This letter was not placed in tie down condition either and was dropped			
Action Required/Taken: send corrected copy of last amendment also gave Mr. Dunn Sandy Kinberly's phone number to discuss issue of fees.			
Signature: 		Date: 6/3/97	

~~Add [illegible] to license~~
~~ETS-~~